



<b>FORM PTO-1449</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number: 60137.0002USU1	Application Number: 10/828,753
	Applicant: Jeremy Clark	
	Filing Date: April 21, 2004	Group Art Unit:

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/TM/	3,798,209	03/19/1974	Witkowski et al.			
	4,957,924	09/18/1990	Beauchamp			
	5,026,687	06/25/1991	Yarchoan et al.			
	5,149,794	09/22/1992	Yatvin et al.			
	5,157,027	10/20/1992	Biller et al.			
	5,194,654	03/16/1993	Hostetler et al.			
	5,223,263	06/29/1993	Hostetler et al.			
	5,256,641	10/26/1993	Yatvin et al.			
	5,372,808	12/13/1994	Blatt et al.			
	5,411,947	05/02/1995	Hostetler et al.			
	5,463,092	10/31/1995	Hostetler et al.			
	5,496,546	03/05/1996	Wang et al.			
	5,538,865	07/23/1996	Reyes et al.			
	5,543,389	08/06/1996	Yatvin et al.			
	5,543,390	08/06/1996	Yatvin et al.			
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	5,554,728	09/10/1996	Basava et al.			
	5,610,054	03/11/1997	Draper			
	5,633,358	05/27/1997	Gruetzke et al.			
	5,633,388	05/27/1997	Diana et al.			
	5,676,942	10/14/1997	Testa et al.			
	5,711,944	01/27/1998	Gilbert et al.			
	5,725,859	03/10/1998	Omer			
	5,738,845	04/14/1998	Imakawa			
	5,738,846	04/14/1998	Greenwald et al.			
/TM/	5,747,646	05/05/1998	Hakimi et al.			

EXAMINER /Traviss McIntosh III/ (03/19/2007)	DATE CONSIDERED 03/19/2007
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/TM/	5,792,834	08/11/1998	Hakimi et al.	<del>_____</del>	<del>_____</del>	
	5,830,905	11/03/1998	Diana et al.	<del>_____</del>	<del>_____</del>	
	5,830,455	11/03/1998	Valtuna et al.	<del>_____</del>	<del>_____</del>	
	5,834,594	11/10/1998	Hakimi et al.	<del>_____</del>	<del>_____</del>	
	5,837,257	11/17/1998	Tsai et al.	<del>_____</del>	<del>_____</del>	
	5,846,964	12/08/1998	Ozeki	<del>_____</del>	<del>_____</del>	
	5,849,696	12/15/1998	Chretien et al.	<del>_____</del>	<del>_____</del>	
	5,869,253	02/09/1999	Draper	<del>_____</del>	<del>_____</del>	
	5,891,874	04/06/1999	Colacino et al.	<del>_____</del>	<del>_____</del>	
	5,905,070	05/18/1999	Schinazi et al.	<del>_____</del>	<del>_____</del>	
	5,908,621	06/01/1999	Glue et al.	<del>_____</del>	<del>_____</del>	
	5,922,757	07/13/1999	Chojkier	<del>_____</del>	<del>_____</del>	
	5,928,636	07/27/1999	Alber et al.	<del>_____</del>	<del>_____</del>	
	5,942,223	08/24/1999	Bazer et al.	<del>_____</del>	<del>_____</del>	
	5,980,884	11/09/1999	Blatt et al.	<del>_____</del>	<del>_____</del>	
	5,990,276	11/23/1999	Zhang et al.	<del>_____</del>	<del>_____</del>	
	6,004,933	12/21/1999	Spruce et al.	<del>_____</del>	<del>_____</del>	
	6,034,134	03/07/2000	Gold et al.	<del>_____</del>	<del>_____</del>	
	6,043,077	03/28/2000	Barber et al.	<del>_____</del>	<del>_____</del>	
	6,056,961	05/02/2000	Lavie et al.	<del>_____</del>	<del>_____</del>	
	6,348,587 B1	02/19/2002	Schinazi et al.	<del>_____</del>	<del>_____</del>	
	2002/0058635	05/16/2002	Averett	<del>_____</del>	<del>_____</del>	
	6,410,531	06/25/2002	Llinas-Brunet et al.	<del>_____</del>	<del>_____</del>	
	6,420,380	07/16/2002	Llinas-Brunet et al.	<del>_____</del>	<del>_____</del>	
	2003/0050229	03/13/2003	Sommadossi et al.	<del>_____</del>	<del>_____</del>	
/TM/	6,534,523	03/18/2003	Llinas-Brunet et al.	<del>_____</del>	<del>_____</del>	

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U.S. PATENT DOCUMENTS							
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TM	6,660,721	12/09/2003	Devos et al.	<del>_____</del>	<del>_____</del>		
	6,680,303	01/20/2004	Schinazi et al.	<del>_____</del>	<del>_____</del>		
	2004/0023240	02/05/2004	Marliere et al.	<del>_____</del>	<del>_____</del>		
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	2004/0072788	04/15/2004	Bhat et al.	<del>_____</del>	<del>_____</del>		
	2004/0110717	06/10/2004	Carroll et al.	<del>_____</del>	<del>_____</del>		
	6,777,395	08/17/2004	Bhat et al.	<del>_____</del>	<del>_____</del>		
	2004/0214844	10/28/2004	Otto et al.	<del>_____</del>	<del>_____</del>		
	2004/0254141	12/16/2004	Schinazi et al.	<del>_____</del>	<del>_____</del>		
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FOREIGN PATENT DOCUMENTS							
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	0 350 287	01/10/1990	EP	<del>_____</del>	<del>_____</del>		
	0 180 276	05/07/1996	EP	<del>_____</del>	<del>_____</del>		
	WO 89/02733	04/06/1989	PCT	<del>_____</del>	<del>_____</del>		
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	WO 91/18914	12/12/1991	PCT	<del>_____</del>	<del>_____</del>		
	WO 91/19721	12/26/1991	PCT	<del>_____</del>	<del>_____</del>		
	WO 93/00910	01/21/1993	PCT	<del>_____</del>	<del>_____</del>		
	WO 94/26273	11/24/1994	PCT	<del>_____</del>	<del>_____</del>		
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	WO 96/15132	05/23/1996	PCT	<del>_____</del>	<del>_____</del>		
	WO 97/36554	10/09/1997	PCT	<del>_____</del>	<del>_____</del>		
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TM	WO 98/17679	04/30/1998	PCT	<del>_____</del>	<del>_____</del>		
	WO 98/22496	05/28/1998	PCT	<del>_____</del>	<del>_____</del>		
	WO 99/07734	02/18/1999	PCT	<del>_____</del>	<del>_____</del>		
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	WO 99/64016	12/16/1999	PCT	<del>_____</del>	<del>_____</del>		
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	WO 02/008256	01/31/2002	PCT	<del>_____</del>	<del>_____</del>		
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✓	WO 02/060926	08/08/2002	PCT	<del>_____</del>	<del>_____</del>		

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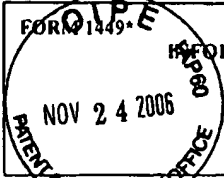
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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TM	WO 02/008187	01/31/2002	PCT				
	WO 02/08198	01/31/2002	PCT				
	WO 02/18404	03/07/2002	PCT				
	WO 02/032414	04/25/2002	PCT				
	WO 02/32920	04/25/2002	PCT				
	WO 02/48116	06/20/2002	PCT				
	WO 02/048157	06/20/2002	PCT				
	WO 02/48165	06/20/2002	PCT				
	WO 02/48172	06/20/2002	PCT				
	WO 02/100415	12/19/2002	PCT				
	WO 03/024461	03/27/2003	PCT				
	WO 03/105770	12/24/2003	PCT				
	WO 03/061576	07/31/2003	PCT				
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	WO 2004/002422	01/08/2004	PCT				
	WO 2004/002999	01/08/2004	PCT				
	WO 2004/003000	01/08/2004	PCT				
	WO 2004/003138	01/08/2004	PCT				
	WO 2004/007512	01/22/2004	PCT				
	WO 2004/009020	01/29/2004	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Identifier						
	A	BATTAGLIA, A.M. et al., Ann. Pharmacother. 34:487-494, 2000.					
	B	BHAT et al., (Oral Session V, Hepatitis C Virus, Flaviviridae; 16 <sup>th</sup> International Conference on Antiviral Research (Apr. 27, 2003, Savannah, GA)); p A75.					
	C	CHU, M., et al., Bioorganic and Medicinal Chemistry Letters 9:1949-1952, 1999.					

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	Identifier	
<u>2</u>	D	DELAMBERT et al., J. Med. Chem., 1994, 37:498.
	E	ELDRUP et al., (Oral Session V, Hepatitis C Virus, Flaviviridae; 16 <sup>th</sup> International Conference on Antiviral Research (Apr. 27, 2003, Savannah, GA))
	F	Eldrup, A. et al., "Structure-Activity Relationship of Purine Ribonucleosides for Inhibition of Hepatitis C Virus RNA-Dependent RNA Polymerase," <i>J. Med. Chem.</i> , Vol. 47, pp. 2283-2295 (2004)
	G	FARQUHAR et al., J. Med. Chem., 1983, 26:1153.
	H	FARQUHAR et al., J. Med. Chem., 1985, 28:1358.
	I	FREED et al., Biochem. Pharmacol., 1989, 38:3193.
	J	HOSETLER, K.Y. et al., "Synthesis and antiretro-viral activity of phospholipids analogs of azidothymidine and other antiviral nucleosides," 1990, J. Biol. Chem., 265:61127.
	K	HOSTELLER, K.Y. et al., "Greatly enhanced inhibition of human immunodeficiency virus type 1 replication in CEM and HT4-6 cells by 3'-deoxycytidine diphosphate dimyristoylglycerol, a lipid prodrug of 3'-deoxythymidine," 1992, Antimicrob. Agents Chemother., 36:2025-2029.
	L	HUNSTON et al., J. Med. Chem., 1984, 27:440-444.
	M	JONES, R. and BISEHOFFERGER, N., Antiviral Research, 1995, 27:1-17.
	N	KHANINEI and TORRENCE, J. Med. Chem., 1996, 39:4109-4115.
	O	KUCERA, L.S. et al., "Novel membrane-interactive ether lipid analogs that inhibit infectious HIV-1 production and induce defective virus formation," 1990, AIDS Hum. Retro Viruses, 6:491-501.
	P	MEIER et al., Bioorg. Med. Chem. Lett., 1997, 7:99-104.
	Q	OLSEN et al., (Oral Session V, Hepatitis C Virus, Flaviviridae; 16 <sup>th</sup> International Conference on Antiviral Research (Apr. 27, 2003, Savannah, GA)); p A76.
	R	PIANTADOSI, C. et al., "Synthesis and evaluation of novel ether lipid nucleoside conjugates for anti-HIV activity," 1991, J. Med. Chem. 34:1408-1414.
	S	STARRETT et al., J. Med. Chem., 1994, 37:1857-1864.
	T	STUYVER et al. Journal of Virology, 2003, 77, 10689-10694.
	U	STUYVER et al., "Ribonucleoside analogue that blocks replication of bovine viral diarrhea and hepatitis C viruses in culture," Antimicrobial Agents and Chemotherapy, 2003, 47:244-254.
<u>1</u>	V	Stuyver, L. et al., "Inhibition of the Subgenomic Hepatitis C Virus Replicon in Huh-7 Cells by 2'-Deoxy-2'-fluorocytidine," <i>Antimicrob. Agents Chemother.</i> , Vol. 48, No. 2, pp. 651-654 (February 2004)
<u>1</u>	W	ZON, Progress in Med. Chem., 1982, 19:205-246.

EXAMINER /Traviss McIntosh III/ (03/19/2007)	DATE CONSIDERED 03/19/2007	<b>23552</b> PATENT TRADEMARK OFFICE
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U.S. PATENT DOCUMENTS						
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<i>(b)</i>	4,814,477	03/21/1989	Wijnberg et al.			
	5,118,820	06/02/1992	Hertel			
	5,405,598	04/11/1995	Schinazi et al.			
	5,420,266	05/30/1995	Britton et al.			
	5,462,724	10/31/1995	Schinazi et al.			
	5,703,058	12/30/1997	Schinazi et al.			
	5,767,097	06/16/1998	Tam			
	6,090,932	07/18/2000	McGee et al.			
	6,130,326	10/10/2000	Ramasamy et al.			
	6,156,501	12/05/2000	McGall, et al.			
	6,232,300	05/15/2001	Schinazi et al.			
	6,239,159	05/29/2001	Brown et al.			
	6,372,883	04/16/2002	Attwood et al.			
	6,391,859	05/21/2002	Schinazi et al.			
	6,455,513	09/24/2002	McGuigan et al.			
	6,455,690	09/24/2002	Tam et al.			
	6,479,463	11/12/2002	Wang et al.			
	6,495,677	12/17/2002	Ramasamy et al.			
	6,509,320	01/21/2003	Wang et al.			
	6,552,183	04/22/2003	Ramasamy et al.			
	6,555,677	04/29/2003	Petrillo et al.			
	6,573,248	06/03/2003	Ramasamy et al.			
	6,642,206	11/04/2003	Ramasamy et al.			
	6,677,314	01/13/2004	Klecker et al.			
<i>(b)</i>	6,677,315	01/13/2004	Klecker et al.			
<i>(b)</i>	6,682,715	01/27/2004	Klecker et al.			

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	6,683,045	01/27/2004	Klecker et al.			
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	6,753,309	06/22/2004	Klecker et al.			
	6,787,305	09/07/2004	Li et al.			
	6,787,526	09/07/04	Bryant, et al.			
	6,815,542	11/09/2004	Hong et al.			
	6,897,201	05/24/2005	Boyer et al.			
	6,908,924	06/21/2005	Watanabe et al.			
	6,914,054	07/05/2005	Sommadossi et al.			
	6,962,991	11/08/2005	Dempcy et al.			
	7,018,985	03/28/2006	Boyer, et al.			
	7,018,989	03/28/2006	McGuigan, et al.			
	7,081,449	07/25/2006	Pietrzkowski, et al.			
	2002/0198173	12/26/2002	Schinazi, et al.			
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	2003/0153744	08/14/2003	Mekouar et al.			
	2004/0006007	01/08/2004	Gosselin et al.			
	2004/0059104	03/25/2004	Cook et al.			
	2004/0097461	05/20/2004	Sommadossi et al.			
	2004/0167140	08/26/2004	Schinazi, et al.			
	2004/0101535	05/27/2004	Sommadossi et al.			
	2004/0014108	01/22/2004	Elarup, et al.			
	2004/0191824	09/30/2004	Dempcy et al.			
	2004/0229839	11/18/2004	Babu et al.			
	2004/0248892	12/09/2004	Wang			

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	2004/0259934	12/23/2004	Olsen et al.			
	2004/0265969	12/30/2004	Li et al.			
	2004/0266996	12/30/2004	Rabi			
	2004/0063622	04/01/2004	Sommadassi, et al.			
	2004/0097462	05/27/2004	Sommadassi, et al.			
	20040102414	05/27/2004	Sommadassi, et al.			
	2005/0009737	01/13/2005	Clark			
	2005/0026853	02/03/2005	Mekouar et al.			
	2005/0031588	02/10/2005	Sommadassi, et al.			
	2005/0075309	04/07/2005	Storer, et al.			
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	Applicant: Jeremy Clark	
	Filing Date: 04/21/2004	Group Art Unit: 1614

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
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	2006/0122146	07/08/2006	Chun, et al.				
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FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	WO 95/24185	09/14/1995	PCT				
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	WO 02/42172	06/13/2002	PCT				
	WO 02/49165	06/13/2002	PCT				
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	WO 2004/011478	02/05/2004	PCT				
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<u>B</u>	WO 2004/096286	11/11/2004	PCT				
<u>P</u>	WO 2005/002626	01/13/2005	PCT	<del>Agg 1500-3884</del>			
<u>T</u>	WO 2005/003147	01/13/2005	PCT				
↓	WO 2005/007810	01/27/2005	PCT				
	WO 2005/009418	02/03/2005	PCT				
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<u>P</u>	WO 2006/037028	04/06/2006	PCT				
<u>P</u>	WO 2006/061576	06/15/2006	PCT				
<u>P</u>	WO 2006/065335	06/22/2006	PCT				
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	EP350287B1	07/05/89	Europe				
	WO0009531A2	02/24/00	PCT				
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	WO01060315A3R4	08/23/01	PCT				
	WO01079246A3R4	10/25/01	PCT				
	WO0132153A2	05/10/01	PCT				

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	WO0179246A2	10/25/01	PCT				
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	WO0190121A3R4	11/29/01	PCT				
	WO0191737A2	12/06/01	PCT				
	WO0192282A3R4	12/06/01	PCT				
	WO0196353A2	12/20/01	PCT				
	WO0196353A3R4	12/20/01	PCT				
	WO02008187A1R6	01/31/02	PCT				
	WO02008198A3R4	01/31/02	PCT				
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	WO02032414A3R4	04/25/02	PCT				
	WO0204815743R4	06/20/02	PCT				
	WO02048165A3R4	06/20/02	PCT				
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	WO02048172A3R4	06/20/02	PCT				
	WO02057425A2	07/25/02	PCT				
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	WO0208198A2	01/31/02	PCT				
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	WO02108415A2	12/19/02	PCT				
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	WO0248165A2	06/20/02	PCT				
	WO0248172A2	06/20/02	PCT				
	WO03024461A1	03/27/03	PCT				
	WO2002032920A3R4	04/25/02	PCT				
	WO2004000858A2	12/31/03	PCT				
	WO2004000858A3R4	12/31/03	PCT				
	WO2004002999A2	01/08/04	PCT				
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						YES	NO
	WO9915194A1	04/01/99	PCT				
	WO9932139A1	07/01/99	PCT				
	WO9932140A1	07/01/99	PCT				
	WO9943691A1	09/02/99	PCT				
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